TIDA-01559E1(001)_BOM.xls 001 2018/5/29 15:24:22 TIDA-01559



TIDA-01559 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		TIDA-01559	Any	Printed Circuit Board	
C1	1	1uF	C1608X5R1A105K	TDK	CAP, CERM, 1 µF, 10 V, +/- 10%, X5R, 0603	0603
C2, C5, C7	3	0.1uF	GRM188R61C104KA01D	MuRata	CAP, CERM, 0.1 μF, 16 V, +/- 10%, X5R, 0603	0603
C3	1	4.7uF	CGB3B1X5R1A475K055AC	TDK	CAP, CERM, 4.7 μF, 10 V, +/- 10%, X5R, 0603	0603
C4, C6	2	10uF	GRM188R60J106ME47D	MuRata	CAP, CERM, 10 µF, 6.3 V, +/- 20%, X5R, 0603	0603
C8	1	1000pF	GRM188R61H102KA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 10%, X5R, 0603	0603
C9	1	10uF	C1608JB0J106K080AB	TDK	CAP, CERM, 10 µF, 6.3 V, +/- 10%, JB, 0603	0603
C10, C11, C12, C13, C14, C15	6	1uF	GRM185R60J105KE26D	MuRata	CAP, CERM, 1 μF, 6.3 V, +/- 10%, X5R, 0603	0603
CN1	1		61300611121	Wurth Elektronik	Header, 2.54 mm, 6x1, Gold, TH	Header, 2.54mm, 6x1, TH
D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12	12	Rgb	ASMT-YTC2-0AA02	Avago	LED, Rgb, SMD	LED, 3x2x3.6 mm
J1	1		47346-1001	Molex	Receptacle, Micro-USB Type B, 0.65 mm, 5x1, R/A, Bottom Mount SMT	Receptacle, 0.65mm, 5x1, R/A, SMT
R2, R5	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R3, R12, R13, R14, R15, R16	6	10k	CRCW060310K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.1 W, 0603	0603
R4	1	47k	CRCW060347K0JNEA	Vishay-Dale	RES, 47 k, 5%, 0.1 W, 0603	0603
R6, R7, R8, R9, R10, R11	6	470	CRCW0603470RJNEA	Vishay-Dale	RES, 470, 5%, 0.1 W, 0603	0603
U1, U2, U3, U4	4		LP5569ARTWR	Texas Instruments	Easy-to-Use Nine-Channel RGB LED Driver, RTW0024B (WQFN-24)	RTW0024B
U5	1		TLV73318PDBVR	Texas Instruments	Capacitor-Free, 300-mA, Low-Dropout Regulator, DBV0005A	DBV0005A
U6	1		MSP430FR2522IPW16R	Texas Instruments	Capacitive Touch Sensing Mixed-Signal Microcontroller, PW0016A (TSSOP-16)	PW0016A
U7	1		TLV73333PDBVR	Texas Instruments	Capacitor-Free, 300-mA, Low-Dropout Regulator, DBV0005A	DBV0005A

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